NucleoMag® cfDNA – MagnetaPure 32+

Protocol details

Application	cfDNA from plasma samples	
Kit	NucleoMag® cfDNA	
REF	744550 (.1 /.4)	
Protocol name	NMcfDNA	
Run time	approx. 31 min	Rev 01

Five easy steps

Procedure	
1	Perform lysis according to the user manual NucleoMag® cfDNA using a volume of 375 µL plasma per sample (e.g. 375 µL plasma + 9.5 µL Liquid Proteinase K + 169 µL MCF1)
2	Fill the 96-well Deep-well plates according to the table below.
3	Load the plates on the MagnetaPure 32+.
4	Insert tip combs on the mounting grooves.
5	Select the protocol from the instrument menu and start run.
Note:	*Please equip all tip combs in order to cover the magnetic rods in used and unused wells.*

Loading table for plate 1 and 2

Position	Reagents	Samples per plate
Column 1 + 7	Lysate (553.5 µL), NucleoMag® P-Beads (6 µL), Binding Buffer MCF2 (375 µL)	Sample 1-8 Sample 9-16
Column 2 + 8	Wash Buffer MCF3 (500 µL)	Sample 1-8 Sample 9-16
Column 3 + 9	Wash Buffer MCF4 (500 µL)	Sample 1-8 Sample 9-16
Column 4 + 10	Wash Buffer MCF4 (500 µL)	Sample 1-8 Sample 9-16
Column 5 + 11	empty	- -
Column 6 + 12	Elution Buffer MCF5 (100 µL)	Sample 1-8 Sample 9-16
Note:	*Please refer to the image below for a visual representation of the loading scheme*	

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Loading scheme

	1	2	3	4	5	6	7	8	9	10	11	12	
A	Binding (934.5 µL)	1st Wash (500 µL)	2nd Wash (500 µL)	3rd Wash (500 µL)		Elution buffer (100 µL)	Binding (934.5 µL)	1st Wash (500 µL)	2nd Wash (500 µL)	3rd Wash (500 µL)		Elution buffer (100 µL)	
B													
C													
D													
E													
F													
G													
H													

Additional consumables and instrumentation

Product	Specification	REF
MagnetaPure 32+	Automated nucleic extraction system for MACHEREY-NAGEL's NucleoMag® kits enabling parallel processing of up to 32 samples	747010
96 Deep-well Plate	96 deep-well plates for MagnetaPure 32+ (25 pieces)	744955
Tip Combs	8-well tip combs for MagnetaPure 32+ (50 pieces)	744960

Disclaimer

Information

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